10/202293 AP3 Rec'd PCT/PTO 12 JUN 2225

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Matthew GAVEN et al

International Appln. No.: PCT/GB2004/005185

Filed: June 12, 2006

Attorney Dkt. No.: 025538-00085

For: CHARACTERISING BODY TISSUE

INFORMATION DISCLOSURE STATEMENT

Mail Stop: PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Date: June 12, 2006

Sir:

This is an Information Disclosure Statement submitted under 37 C.F.R. 1.97 within the time specified under 37 CFR 1.97(b).

The references cited in the attached Form PTO-SB08b were cited in the enclosed International Search Report issued by the European Patent Office in connection with the above international application. It is understood that the International bureau has sent a copy of each of the cited references to the U.S. Patent and Trademark Office. If this is not the case, please contact Applicants' representative at the telephone number listed below.

10/582203

AP3 Rec'd PCT/PTO 13 JUN 2003

In view of the above, all requirements of 37 CFR 1.97 and all official guidelines pertaining to Information Disclosure Statements have been complied with, and it is therefore respectfully requested that the Examiner consider the references and make them of record.

Respectfully submitted,

Wilburn L. Chesser

Registration No. 41,668

ARENT FOX PLLC 1050 Connecticut Avenue, N.W., Suite 400 Washington, D.C. 20036-5339

Tel: (202) 857-6000 Fax: (202) 638-4810

WLC:ars

10/582293

AP3 RCC OF JAPAN Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO Complete if Known **New Application Application Number** INFORMATION DISCLOSURE June 12, 2006 Filing Date STATEMENT BY APPLICANT Matthew GAVED et al **First Named Inventor** Form PTO/SB/08b **Art Unit Examiner Name** 025538-00085 2 **Attomey Docket Number** Sheet 1 of

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Database Inspec online; The Institution of Electrical Engineers, Stevenage, GB; October 2004, GERAKI K et al; X-ray Fluorescence and Energy Dispersive X-ray Diffraction For the Characterisation of Breast Tissue XP002327174 Database accession no. 8187632 & 9 th International Symposium on Radiation Physics (ISRP9) 26-31, October 2003; Cape town; South Africa, vol. 71, no. 3-4, 26 October 2003, pages 969-970, Radiation Physics and Chemistry Elsevier UK; ISSN: 0969-806X	:
		GERAKI K et al: X-ray Fluorescence and Energy Dispersive X-Ray Diffraction for the Characterisation of Breast Tissue; Radiation Physics and Chemistry Elsevier UK; vol. 71, no. 3-4, October 2004, pages 969-970, XP004532605, ISSN: 0969-806X	
		FARQUAHARSON M J et al: The Use of Combined Trace Element XRF and EDXRD Data as a Histopathology Tool Using a Multivariate Analysis Approach in Characterizing Breast Tissue, X-ray Spectrometry Wiley UK, vol. 33, no. 4, July 2004, pages 240-245, XP002327169, ISSN: 0049-8246	
		GERAKI K et al: X-ray Fluorescence and Energy Dispersive X-Ray Diffraction for the Quantification of Elemental Concentrations in Breast Tissue, Phys. Med. Biol.; Physics in Medicine and Biology, Jan 7, 2004, vol. 49, no. 1, 7 January 2004, pages 99-110, XP002327170	
		Haston J Louise et al: Raman Microscopy and X-ray Diffraction, A Combined Study of Fibrillin-rich Microfibrillar Elasticity J. Biol. Chem.; Journal of Biological Chemistry Oct 17 2003, vol. 278, no. 42, 17 October 2003, pages 41189-41197, XP002327171	
		KLEUKER U et al: Feasibility Study of X-Ray Diffraction Computed Tomography for medical Imaging", Phusics In Medicine and Biology IOP Publishing UK, vol. 43, no. 10, October 1998 (1988-10), pages 2911-2923, XP002327172 ISSN: 0031-9155	
		Barroso R C et al; X-ray Diffraction Microtomography Using Synchrotron Radiation, Microtomography Using Synchrotron Radiation; Nuclear Instruments & Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) Elsevier Netherlands, vol. 471, no. 1-2, September 2001, pages 75-79, XP004306688, ISSN: 0168-9002	
		FARQUHARSON M J et al: Multivariate Calibraton for Quantitative Analysis of EDXRD Spectra from a bone Phantom" Applied Radiation and Isotopes, Pergamon Press Ltd., Exeter, GB, vol. 48, no. 8, August 1997; pages 1075-1082, XP004094767; ISSN: 0969-8043	
		AL-BAHRI J S et al: Electron Density of Normal and Pathological Breast Tissues using a compton scattering Technique, Applied Radiation and Isotopes, Pergamon Press Ltd., Exeter, GB, vol. 49, no. 12, 1 December 1998, pages 1677-1684, XP004173168, ISSN: 0969-8043	
		Duvauchelle P et al: Rayleigh to Compton Ratio Computed Tomography Using Synchrotron Radiation NDT & E International, Butterworth-Heinemann, Oxfodr, GB, vol. 33, no. 1, January 2000; pages 23-31, XP004292672, ISSN: 0963-8695	

Examiner	Date
Signature	Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

10/582293

AP3 Rec'd PC1/P10 22 JUN 2009

PTO/SB/08b (08-03) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO Complete if Known **Application Number New Application INFORMATION DISCLOSURE Filing Date** June 12, 2006 STATEMENT BY APPLICANT First Named Inventor Matthew GAVED et al Form PTO/SB/08b **Art Unit Examiner Name** 2 025538-00085 of 2 **Attorney Docket Number** Sheet

	NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ2			
		YUASA T et al: Incoherent-Scatter Computed Tomography With Monochromatic Synchrotron X Ray: Feasibility of Multi-Ct Imaging System for Simultaneous Measurement of Fluorescent and Incoherent Scatter X Rays, IEEE Transaction on Nuclear Science, IEEE Inc. New York, US, vol. 44, no. e, October 1997 pages 1760-1769, XP000774123 ISSN: 0018-9499				
		HARDING G ET AL: X-Ray Imaging With Compton-Scattering Radiation, Philips Technical Review, Philips, Eindhoven, NL, vol. 41, no. 2, 1983, pages 46-59, XP008004549, ISSN: 0031-7926, the whole document				
		DUVAUCHELLE P et al: Effective Atomic Number in the Rayleigh to Compton Scattering Ratio, Nuclear Instruments & Methods in Physics Research, Section – B: Beam Interactions with Materials and Atoms, North-Holland Publishing Company. Amsterdam, NI, Publishing Company. Amsterdam, NI, vol. 155, no. 3, 1 August 1999, pages 221-228, XP004180221, ISSN: 0168-583X,				
		HUDDLESTON A L et al: Compton Scatter Densitometry in Cancellous Bone., Phisics in Medicine and Biology. Mar 1979, vol. 24, no. 2, March 1979, pages 310-318, XP002335622, ISSN: 0031-9155				
		BATTISTA J J et al: Compton Scatter Imaging of Transverse Sections: Corrections for Multiple Scatter and Attenuation., Physics in Medicine and Biology., March 1977, vol. 22, no. 2, March 1977, pages 229-244, XP002335623, ISSN: 0031-9155,				
		TOTHILL: Methods of Bone Mineral Measurement, Physics in Medicine and Biology, Taylor and Francis Ltd.; London, GB, vol. 34, no. 5, 1989, pages 543-572, XP002119063, ISSN: 0031-9155				
		PUUMALAINEN P et al: Assessment of Fat Content of Liver by a Photon Scattering Technique. The International Journal of Applied Radiation and Isotopes. Sep 1977, vol. 28, no. 9, September 1977, pages 785-787, XP002335624, ISSN: 0020-708X,				
			-			

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Unique citation designation number. ²Sec attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.